

Contents of *Aquatic Botany*, Volume 64

VOL. 64 NO. 1

MAY 1999

Structural response of marine and estuarine plants of <i>Halophila ovalis</i> (R. Br.) Hook. f. to long-term hyposalinity K.J. Benjamin (Murdoch, Australia and Nedlands, Australia), D.I. Walker (Nedlands, Australia), A.J. McComb (Murdoch, Australia) and J. Kuo (Nedlands, Australia)	1
Influence of UVB irradiation on nitrate and ammonium assimilating enzymes in <i>Spirodela polyrhiza</i> M. Schwalbe, S. Teller, R. Oelmüller and K.-J. Appenroth (Jena, Germany)	19
The effects of litter on growth and plasticity of <i>Phragmites australis</i> clones originating from infertile, fertile or eutrophicated habitats O.A. Clevering (Heteren, The Netherlands).	35
Eelgrass (<i>Zostera marina</i> L.) seed protection for field experiments and implications for large-scale restoration M.C. Harwell and R.J. Orth (Gloucester Point, VA, USA)	51
Methanogenesis and methane emissions: effects of water table, substrate type and presence of <i>Phragmites australis</i> S. Grünfeld and H. Brix (Risskov, Denmark)	63
Short communications	
A rapid and simple method for transplanting eelgrass using single, unanchored shoots R.J. Orth, M.C. Harwell and J.R. Fishman (Gloucester Point, VA, USA)	77
Response of six <i>Azolla</i> species to transient high-temperature stress E. Uheda, S. Kitoh and N. Shiomi (Osaka, Japan)	87
Publisher's acknowledgement	93

VOL. 64 NO. 2

JUNE 1999

The effects of liming and reacidification on the growth of <i>Juncus bulbosus</i> : a mesocosm experiment E.C.H.E.T. Lucassen, R. Bobbink, M.M.A. Oonk (Nijmegen, The Netherlands), T.-E. Brandrud and J.G.M. Roelofs (Oslo, Norway)	95
Carbohydrate storage in rhizomes of <i>Phragmites australis</i> : the effects of altitude and rhizome age L. Klimeš, J. Klimešová and H. Čížková (Třeboň, Czech Republic)	105

High production in a herbaceous perennial plant achieved by continuous growth and synchronized population dynamics R.G. Wetzel and M.J. Howe (Tuscaloosa, AL, USA)	111
Mobile epifauna inhabiting the invasive <i>Sargassum muticum</i> and two local seaweeds in northern Spain R.M. Viejo (Asturias, Spain).	131
Effects of sediment type and water level on biomass production of wetland plant species J.P.M. Lenssen (Heteren, The Netherlands and Nijmegen, The Netherlands), F.B.J. Menting, W.H. van der Putten (Heteren, The Netherlands) and C.W.P.M. Blom (Nijmegen, The Netherlands)	151
Short communication	
Effects of shade and nutrient manipulation on periphyton growth in a subtropical stream T.D. Mosisch, S.E. Bunn (Nathan, Australia), P.M. Davies (Nedlands, Australia) and C.J. Marshall (Nathan, Australia)	167

VOL. 64 NOS. 3-4

SEPTEMBER 1999

Introduction	179
Taxonomy, chromosome numbers, clonal diversity and population dynamics of <i>Phragmites australis</i> O.A. Clevering and J. Lissner (The Netherlands, Denmark)	185
Analysis of genetic diversity among selected populations of <i>Phragmites australis</i> world-wide H. Koppitz (Germany)	209
Phenotypic differences among ploidy levels of <i>Phragmites australis</i> growing in Romania M. Paucă-Comănescu, O.A. Clevering, J. Hanganu and M. Gridin (Romania, The Netherlands)	223
Clone specific differences in a <i>Phragmites australis</i> stand. I. Morphology, genetics and site description H. Köhl, H. Koppitz, H. Rolletschek and J.G. Köhl (Germany)	235
Clone specific differences in a <i>Phragmites australis</i> stand. II. Seasonal development of morphological and physiological characteristics at the natural site and after transplantation H. Rolletschek, A. Rolletschek, H. Köhl and J.-G. Köhl (Germany)	247
Expansion of <i>Phragmites australis</i> into tidal wetlands of North America R.M. Chambers, L.A. Meyerson and K. Saltonstall (USA)	261
<i>Phragmites australis</i> : effects of shoot submergence on seedling growth and survival and radial oxygen loss from roots J. Armstrong, F. Afreen-Zobayed, S. Blyth and W. Armstrong (UK)	275
Biometric variation in <i>Phragmites australis</i> affecting convective ventilation and amino acid metabolism H. Rolletschek, T. Hartzendorf, A. Rolletschek and J.-G. Köhl (Germany)	291
Organic acids in the sediments of wetlands dominated by <i>Phragmites australis</i> : evidence of phytotoxic concentrations H. Čížková, H. Brix, J. Kopecký and J. Lukavská (Czech Republic, Denmark)	303
Effect of climate on the salt tolerance of two <i>Phragmites australis</i> populations. I. Growth, inorganic solutes, nitrogen relations and osmoregulation J. Lissner, H.-H. Schierup, F.A. Comín and V. Astorga (Denmark, Spain)	317
Effect of climate on the salt tolerance of two <i>Phragmites australis</i> populations. II. Diurnal CO ₂ exchange and transpiration J. Lissner, H.-H. Schierup, F.A. Comín, V. Astorga (Denmark, Spain)	335

Responses of ecotypes of <i>Phragmites australis</i> to increased seawater influence: a field study in the Danube Delta, Romania J. Hanganu, G. Mihail and H. Coops (Romania, The Netherlands)	351
Growth and photosynthetic performance of <i>Phragmites australis</i> in estuarine waters: a field and experimental evaluation J.B. Adams and G.C. Bate (South Africa)	359
Interactive effects of N and P on growth, nutrient allocation and NH ₄ uptake kinetics by <i>Phragmites australis</i> J.A. Romero, H. Brix and F.A. Comín (Spain, Denmark)	369
Controls on soil cellulose decomposition along a salinity gradient in a <i>Phragmites australis</i> wetland in Denmark I.A. Mendelssohn, B.K. Sorrell, H. Brix, H.-H. Schierup, B. Lorenzen, E. Maltby (USA, Denmark, UK)	381
Insects on common reed (<i>Phragmites australis</i>): community structure and the impact of herbivory on shoot growth T. Tschardtke (Germany)	399
Announcement	411
Contents of Aquatic Botany, Volume 64	413

